

Report of Analysis

Client:	PSEG	Date Collected:	09/22/25
Project:	Sewaren Laydown Yard	Date Received:	09/22/25
Client Sample ID:	VNJ-255	SDG No.:	Q3159
Lab Sample ID:	Q3159-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/24/25 10:05	09/24/25 18:01	PB169809

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	9.76		1	1.29	2.18	mg/kg FE055977.D
Aliphatic C9-C28	Aliphatic C9-C28	14.5		1	0.99	4.37	mg/kg FE055977.D
Total AliphaticEPH	Total AliphaticEPH	24.2			2.28	6.55	mg/kg
Total EPH	Total EPH	24.2			2.28	6.55	mg/kg

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055977.D	1	09/24/25	09/24/25	PB169809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.5		0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.76		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.6		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.5		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3159-03	Acq On:	24 Sep 2025 18:01
Client Sample ID:	VNJ-255	Operator:	YP\AJ
Data file:	FE055977.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.943	452244	3.23	300	ug/ml
Aliphatic C12-C16	6.944	10.395	2850851	18.587	200	ug/ml
Aliphatic C16-C21	10.396	13.774	16036554	96.676	300	ug/ml
Aliphatic C21-C28	13.775	17.445	11943147	80.411	400	ug/ml
Aliphatic C28-C40	17.446	22.457	18264708	134.051	600	ug/ml
Aliphatic EPH	3.311	22.457	49547504	332.954		ug/ml
ortho-Terphenyl (SURR)	12.070	12.070	5352159	28.52		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	4685289	33.57		ug/ml
Aliphatic C9-C28	3.311	17.445	31282796	198.904	1200	ug/ml